



CERTIFICATE OF COMPLIANCE

Certificate Number: SGSNA/22/GZ/00063

Contract Number: 801694
Certificate Project Number: GZ-CERT220400691

Certified Product: Hybrid Solar Inverter
Trademarks: 

Model(s): N3H-X5-US, N3H-X6-US, N3H-X7-US, N3H-X8-US, N3H-X10-US

Technical Data: See page 2

Certificate Holder: Amensolar Ess Co., Ltd
Room 302, Building #2, No. 209 Zhuyuan Road, SND, Suzhou, Jiangsu, China

This certificate supercedes previous certificates issued with the same certificate number. Certification is valid when products are indicated on the SGS directory of certified products at www.sgs.com or using the QR code below. The product is certified according to ISO/IEC Guide 17067, Conformity assessment - Fundamentals of product certification, System 3, and in accordance with:

UL 1741, Third Edition, Dated September 28, 2021 (including UL 1741 Supplement SB)

CSA C22.2 No. 107.1:16 (reaffirmed 2021)

UL 1741 Supplement SA, 2010 Ed.2 Rev Feb. 15, 2018

UL 1699B, 1st Ed. August 22, 2018

Compliance with IEEE Std 1547:2018 (Revision of IEEE Std 1547:2003), approved 15 February 2018; IEEE Std 1547a™-2020 Approved 9 March 2020. (Refer to IEEE Std 1547.1:2020, approved 5 March 2020.)

Hawaiian Electric Companies, IEEE 1547.1-2020 Source Requirements Document Version 2.0 ("SRD V2.0"), effective on July 1st, 2020

Generating Facility Interconnections- CPUC Rule 21 Effective on Jul 30, 2017

Authorized by:

Effective date: 14 June 2023



Jason Wei
Certifier



Certification Body

Connectivity & Products, a division of SGS North America Inc.
620 Old Peachtree Road, Ste. 100, Suwanee, GA 30024, USA
t +1 770 570 1800 f +1 770 277 1240 www.sgs.com



CERTIFICATE OF COMPLIANCE

Certificate Number: SGSNA/22/GZ/00063

Contract Number: 801694
Certificate Project Number: GZ-CERT220400691

Technical Data:

N3H-X5-US
 PV side: 120-500V(500Vmax), 14A*4, 22A;
 Batteries side: 40-60V, 120Amax
 AC grid side: 120Vac/240Vac Split phase, 60Hz, 20.8A(22.9Amax),
 -0.8~+0.8
 EPS(*) side: 120Vac/240Vac, Split phase, 60Hz, 5KVA, 20.8A

N3H-X6-US
 PV side: 120-500V(500Vmax), 14A*4, 22A;
 Batteries side: 40-60V, 135Amax
 AC grid side: 120Vac/240Vac Split phase, 60Hz, 25A(27.5Amax),
 -0.8~+0.8
 EPS(*) side: 120Vac/240Vac, Split phase, 60Hz, 6KVA, 25A

N3H-X7-US
 PV side: 120-500V(500Vmax), 14A*4, 22A;
 Batteries side: 40-60V, 190Amax
 AC grid side: 120Vac/240Vac Split phase, 60Hz, 31.7A(35Amax),
 -0.8~+0.8
 EPS(*) side: 120Vac/240Vac, Split phase, 60Hz, 7.6KVA, 31.7A

N3H-X8-US
 PV side: 120-500V(500Vmax), 14A*4, 22A;
 Batteries side: 40-60V, 190Amax
 AC grid side: 120Vac/240Vac Split phase, 60Hz, 33.3A(36.7Amax),
 -0.8~+0.8
 EPS(*) side: 120Vac/240Vac, Split phase, 60Hz, 8KVA, 33.3A

N3H-X10-US
 PV side: 120-500V(500Vmax), 14A*4, 22A;
 Batteries side: 40-60V, 190Amax (for charging), 210Amax
 (for discharging)
 AC grid side: 120Vac/240Vac Split phase, 60Hz, 41.7A(45.8Amax),
 -0.8~+0.8
 EPS(*) side: 120Vac/240Vac, Split phase, 60Hz, 10KVA, 41.7A

(*) EPS: Equipment or facilities that deliver electric power to a load

Certification Body